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TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID	:	**CP-2022-01-25-32** **Date: 15-06-21**
Project Name	:	Construction of School building at Singapura in Ward No.11
Agency	:	Sri. Kumar Raju (M/s Sri Vinayaka Builders) #10, Gokul Nilaya, Dhanalakshmi Layout, Thindlu Main Road, Opp Indian Oil Petrol Bunk, Vidyaranyapura, Bangalore-560 097.
Customer's Reference	:	EE(Project)/YnkZone/Wo/85/2020-21
Date of Receipt	:	17-05-21
Sample Type	:	Birla Super 53grade
Reference to BIS codes	:	IS 12269 : 2013, 53 Grade Ordinary Portland cement Specification , IS 4031 Part 4, Determination of Consistency of Standard Cement Paste, Clause 5 IS 4031 Part 6, Determination of Compressive Strength, Clause 6
Date of test	:	18-05-21
Environmental Conditions during test	:	Temperature: 26°C Humidity: 72%

Compressive Strength

Sl.No.	Physical properties	Results	Requirement as per IS 12269: 2013
1	3 Days	29.5N/mm^2	Not less than 27 N/mm^2
2	7 Days	39.5N/mm^2	Not less than 37 N/mm^2
3	28 Days	58.5N/mm^2	Not less than 53 N/mm^2

* The results obtained are satisfactory as per standard requirements.

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TEST REPORT ON COARSE AGGREGATES

Lab ID	:	**CP-2022-01-25-32**	**Date: 20-05-21**
Project Name	:	Construction of School building at Singapura in Ward No.11	
Agency	:	Sri. Kumar Raju (M/s Sri Vinayaka Builders) #10, Gokul Nilaya, Dhanalakshmi Layout, Thindlu Main Road, Opp Indian Oil Petrol Bunk, Vidyaranyapura, Bangalore-560 097.	
Customer's Reference	:	EE(Project)/YnkZone/Wo/85/2020-21	
Date of Receipt	:	17-05-21	
Sample Type	:	40mm down size coarse aggregate	
Reference to BIS codes	:	IS: 383:2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1,3,4) RA2011 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption IS 2386 Part 4: Mechanical Properties	
Date of test	:	17-05-21	

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 40MM DOWN COARSE AGGREGATE:

Total weight taken : 15000 grams

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	80 mm	0	0	0.0	100	100
2	40 mm	280	280	1.9	98.1	90-100
3	20 mm	5289	5569	37.1	62.9	30-70
4	10 mm	4700	10269	68.5	31.5	10-35
5	4.75 mm	4190	14459	96.4	3.6	0-5
6	Pan	541	15000	100.0	0	---

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TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID : **CP-2022-01-25-32** **Date: 20-05-21**

Project Name : Construction of School building at Singapura in Ward No.11

Agency : Sri. Kumar Raju (M/s Sri Vinayaka Builders) #10, Gokul Nilaya, Dhanalakshmi Layout, Thindlu Main Road, Opp Indian Oil Petrol Bunk, Vidyaranyapura, Bangalore-560 097.

Customer's Reference : EE(Project)/YnkZone/Wo/85/2020-21

Date of Receipt : 17-05-21

Sample Type : Birla Super 53grade

Reference to BIS codes : IS 12269 : 2013, 53 Grade Ordinary Portland cement Specification ,
IS 4031 (Part 1,2 3,4,5, 6,11):1988
IS 4031 Part 1 DETERMINATION OF FINENESS BY DRY SIEVING, Clause 4.4
IS 4031 Part 2, Determination of Fineness by Blaine Air Permeability Method, Clause 5
IS 4031 Part 3, Determination of Soundness, Clause 5,Clause 6
IS 4031 Part 4, Determination of Consistency of Standard Cement Paste, Clause 5
IS 4031 Part 5, Determination of Initial & Final Setting Time, Clause 5
IS 4031 Part 11,DETERMINATION OF DENSITY , Clause 6

Date of test : 18-05-21

Environmental Conditions during test : Temperature: 26°C
Humidity: 72%

Sl.No.	Physical properties	Results	Requirement as per IS 12269: 2013
1	Fineness by dry sieving (%)	2.8	_
2	Finess by Air permeablity method (m^2/kg,Min)	285.0	225m^2/kg, Min
3	Density (gm/cc)	3.15	_
4	Standard Consistency (%)	0.285	Not specified
5	Initial Setting time	180 minutes	Not less than 30 minutes
6	Final Setting time	275 minutes	Not more than 600 minutes
7	Soundness (Le Chatelier's Method)	1.4 mm	Not more than 10 mm

* The results obtained are satisfactory as per standard requirements.

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TEST REPORT ON COARSE AGGREGATES

Lab ID : **CP-2022-01-25-32** **Date: 20-05-21**

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS:383-2016
1	Flakiness Index(%)	12.6	Combined Flakiness & Elongation Index Shall not Exceed 40% for Uncrushed & Crushed Aggregate
2	Elongation Index(%)	11.7	
3	Specific Gravity	2.67	–
4	Bulk Density(Loose) (Kg/l)	1.54	–
5	Bulk Density(Compacted) (Kg/l)	1.58	–
6	Water Absorption(%)	0.22	–

* The results obtained are satisfactory as per standard requirements.

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TEST REPORT ON COARSE AGGREGATES

Lab ID	:	**CP-2022-01-25-32** **Date: 19-05-21**
Project Name	:	Construction of School building at Singapura in Ward No.11
Agency	:	Sri. Kumar Raju (M/s Sri Vinayaka Builders) #10, Gokul Nilaya, Dhanalakshmi Layout, Thindlu Main Road, Opp Indian Oil Petrol Bunk, Vidyaranyapura, Bangalore-560 097.
Customer Reference	:	EE(Project)/YnkZone/Wo/85/2020-21
Date of Receipt	:	17-05-21
Sample Type/ Size	:	20mm down size coarse aggregate
Reference to BIS codes	:	IS: 383:2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1,3,4) RA2011 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption IS 2386 Part 4: Mechanical Properties
Date of test	:	17-05-21

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 20MM DOWN COARSE AGGREGATE:

Total weight taken : 5000 grams

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	40 mm	0	0	0	100	100
2	20 mm	318	318	6.4	93.6	90-100
3	10 mm	2852	3170	63.4	36.6	25-55
4	4.75 mm	1622	4792	95.8	4.2	0-10
5	Pan	208	5000	100	0	_

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TEST REPORT ON COARSE AGGREGATES

Lab ID : **CP-2022-01-25-32** **Date: 19-05-21**

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS:383-2016
1	Flakiness Index(%)	8.9	Combined Flakiness & Elongation Index Shall not Exceed 40% for Uncrushed & Crushed Aggregate
2	Elongation Index(%)	10.7	
3	Specific Gravity	2.62	_
4	Bulk Density(Loose) (Kg/l)	1.45	_
5	Bulk Density(Compacted) (Kg/l)	1.51	_
6	Water Absorption(%)	0.25	_
7	Aggregate crushing Value(%)	23.8	Max 30% for Aggregates to be used in concrete for wearing Surface, In case Aggregate Crushing Value Exceeds 30% then the test for ten percent fines should be conducted for Aggregates to be used in concrete other than for wearing Surface.
8	Aggregate Impact Value(%)	22.4	30% for Aggregates to be used in concrete for wearing Surface, 45% for Aggregates to be used in concrete other than for wearing Surface.

* The results obtained are satisfactory as per standard requirements.

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TEST REPORT OF FINE AGGREGATE

Lab ID : **CP-2022-01-25-32** **Date: 19-05-21**

Project Name : Construction of School building at Singapura in Ward No.11

Agency : Sri. Kumar Raju (M/s Sri Vinayaka Builders) #10, Gokul Nilaya, Dhanalakshmi Layout, Thindlu Main Road, Opp Indian Oil Petrol Bunk, Vidyaranyapura, Bangalore-560 097.

Customer's Reference : EE(Project)/YnkZone/Wo/85/2020-21

Date of Receipt : 17-05-21

Sample Type : Fine Aggregate

Reference to BIS codes : IS 383 : 2016 (Specification for Coarse and fine Aggregates)
IS: 2386 :1963(Part - 1, 3) RA2012
IS 2386 Part 1: Particle Size and Shape
IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption

Date of test : 17-05-21

Total weight taken : 1000 grams

Sl.no	Sieve Size	Weight Retained (gms)	Cumulative Weight Retained (gms)	% Cumulative Weight Retained	% Passing	Requirement as per IS 383:2016			
						Grading Zone I	Grading Zone II	Grading Zone III	Grading Zone IV
1	10 mm	0	0	0.0	100.0	100	100	100	100
2	4.75 mm	57	57	5.7	94.3	90-100	90-100	90-100	95-100
3	2.36 mm	129	186	18.6	81.4	60-95	75-100	85-100	95-100
4	1.18 mm	219	405	40.5	59.5	30-70	55-90	75-100	90-100
5	600 micron	203	608	60.8	39.2	15-34	35-59	60-79	80-100
6	300 micron	179	787	78.7	21.3	5-20	8-30	12-40	15-50
7	150 micron	149	936	93.6	6.4	0-10	0-10	0-10	0-15
8	Pan	64	1000	100.0	0.0	---	---	---	---

Result :The tested Sample Conforms to Grading Zone II

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TEST REPORT OF FINE AGGREGATE

Lab ID : **CP-2022-01-25-32** **Date: 19-05-21**

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS 383:2016
1	Water Absorption(%)	1.46	_
2	Specific Gravity	2.52	_
3	Material finer than 75 micron(%)	8.5	Uncrushed fine Aggregate Max 3%, Crushed Fine aggregate Max 15%, Mixed Fine aggregate Max 12%, Manufactured Fine aggregate Max 10%

* The results obtained are satisfactory as per standard requirements.

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TEST REPORT OF FINE AGGREGATE

Lab ID : **CP-2022-01-25-32** **Date: 19-05-21**

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS 383:2016
1	Water Absorption(%)	1.46	_
2	Specific Gravity	2.52	_
3	Material finer than 75 micron(%)	8.5	Uncrushed fine Aggregate Max 3%, Crushed Fine aggregate Max 15%, Mixed Fine aggregate Max 12%, Manufactured Fine aggregate Max 10%

* The results obtained are satisfactory as per standard requirements.

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TEST RESULTS OF STEEL

Lab ID : **CP-2022-01-25-32** **Date: 19-05-21**

Project Name : Construction of School building at Singapura in Ward No.11

Agency : Sri. Kumar Raju (M/s Sri Vinayaka Builders) #10, Gokul Nilaya, Dhanalakshmi Layout, Thindlu Main Road, Opp Indian Oil Petrol Bunk, Vidyaranyapura, Bangalore-560 097.

Customer's Reference : EE(Project)/YnkZone/Wo/85/2020-21

Date of Receipt : 17-05-21

Sample Type : Indus

Reference to BIS codes : IS 1786-2008, IS:1608-2005(RA 2011), IS 1599-2012.

Date of test: : 18-05-21

Sl.No	Identification of sample	Grade of the sample	Diameter of the steel bar	Weight of the sample	Yield stress	Tensile strength	Elongation	Bend test	Rebend test
			(mm)	(kg/m)	(N/mm2)	(N/mm2)	(%)		
1	Indus	Fe500	8	0.393	518	632	21.5%	Satisfactory	Satisfactory
2	Indus	Fe500	10	0.614	532	651	21.0%	Satisfactory	Satisfactory
3	Indus	Fe500	12	0.886	552	672	20.0%	Satisfactory	Satisfactory
4	Indus	Fe500	16	1.582	576	683	19.5%	Satisfactory	Satisfactory
5	Indus	Fe500	20	2.472	588	699	19.0%	Satisfactory	Satisfactory
6	Indus	Fe500	25	3.47	599	721	18.5%	Satisfactory	Satisfactory

* The results obtained are satisfactory as per standard requirements.

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2022-01-25-32** **Date: 05/06/2021**

Project Name : Construction of School building at Singapura in Ward No.11

Agency : Sri. Kumar Raju (M/s Sri Vinayaka Builders) #10, Gokul Nilaya, Dhanalakshmi Layout, Thindlu Main Road, Opp Indian Oil Petrol Bunk, Vidyaranyapura, Bangalore-560 097.

Customer's Reference : EE(Project)/YnkZone/Wo/85/2020-21

Date of Receipt : 31-05-21

Customer ID : Ground Floor Column Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M25 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 05/06/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Ground Floor Column Concrete	M25	29/05/2021	05/06/2021	151.40 X 151.60 X 149.65	22953	9.029	542.9	23.7	23.1
2	Ground Floor Column Concrete	M25	29/05/2021	05/06/2021	151.18 X 151.86 X 150.73	22958	8.763	520.7	22.7	
3	Ground Floor Column Concrete	M25	29/05/2021	05/06/2021	151.54 X 149.07 X 149.87	22590	8.197	517.4	22.9	

* The results obtained are satisfactory as per standard requirements.

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2022-01-25-32** **Date: 26/06/2021**

Project Name : Construction of School building at Singapura in Ward No.11

Agency : Sri. Kumar Raju (M/s Sri Vinayaka Builders) #10, Gokul Nilaya, Dhanalakshmi Layout, Thindlu Main Road, Opp Indian Oil Petrol Bunk, Vidyaranyapura, Bangalore-560 097.

Customer's Reference : EE(Project)/YnkZone/Wo/85/2020-21

Date of Receipt : 31-05-21

Customer ID : Ground Floor Column Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M25 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 26/06/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Ground Floor Column Concrete	M25	29/05/2021	26/06/2021	151.53 X 151.59 X 149.47	22970	8.245	626.1	27.3	27.6
2	Ground Floor Column Concrete	M25	29/05/2021	26/06/2021	149.51 X 150.35 X 150.91	22478	8.684	599.6	26.7	
3	Ground Floor Column Concrete	M25	29/05/2021	26/06/2021	151.43 X 150.27 X 151.93	22756	8.419	656.0	28.8	

* The results obtained are satisfactory as per standard requirements.

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TEST REPORT ON PHYSICAL REQUIREMENTS OF SOLID CONCRETE BLOCKS

Lab ID	:	**CP-2022-01-25-32**
Project Name	:	Construction of School building at Singapura in Ward No.11
Agency	:	Sri. Kumar Raju (M/s Sri Vinayaka Builders) #10, Gokul Nilaya, Dhanalakshmi Layout, Thindlu Main Road, Opp Indian Oil Petrol Bunk, Vidyaranyapura, Bangalore-560 097.
Customer's Reference	:	EE(Project)/YnkZone/Wo/85/2020-21
Date of Receipt	:	17-05-21
Sample Type/Size	:	Solid concrete blocks size (400X200X200)mm
Reference to BIS codes	:	IS : 2185 (Part 1) : 2005(RA 2010) Concrete Masonry Specification Part 1:Hollow and Solid Concrete Blocks (Dimensions -Annex-B, Clause 9.2 and 10 , Block density Annex - C Clause 9.3 and10, Compressive strength Annex -D Clause 9.4 and 10, Water absorption Annex -E Clause 9.5 and 10)
Date of test	:	17-05-21

Date: 21-05-21

BLOCK DENSITY:

Sl. No.	Measurement of overall Dimensions of Individual Blocks			Overall Volume of the Block in Cubic Centimetres	Weight of Oven Dried Block in Kilograms to the nearest 10 Gram	Block Density in Kg/cum*10^6	Avg.Block Density in (Kg/cum)	As per IS 2185(Part 1) :2005 (RA 2010)
	Length	Breadth	Height					
	mm	mm	mm	(Cm^3)	Kg	Kg/m^3	Kg/m^3	
1	403	202	203	16525	33.760	2042.9	2050.1	Not less than 1800Kg/m^3
2	401	203	199	16199	33.052	2040.3		
3	401	203	199	16199	33.483	2066.9		

WATER ABSORPTION:

Sl. No.	Wet weight after water absorption	Dry weight (Oven dry)	Water Absorption	Avg.Water Absorption	As per IS 2185(Part 1):2005 (RA 2010)
	kg	kg	%	%	
1	33.91	32.60	3.88	4.53	Shall not be more than 10% by mass
2	33.57	31.90	4.98		
3	33.44	31.87	4.72		

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Lab ID : **CP-2022-01-25-32** **Date: 21-05-21**

DIMENSION ANALYSIS

Sl.no	Length mm	Breadth mm	Height mm	Requirement as per IS 2185(Part 1):2005
1	402	200	200	Length : ± 5mm Breadth : ± 3mm Height : ± 3mm
2	402	200	199	
3	400	201	201	
4	401	202	203	
5	403	200	203	
6	404	199	199	
7	403	202	200	
8	403	203	203	
9	400	203	200	
10	403	200	202	
11	403	201	202	
12	400	201	201	
13	401	200	200	
14	400	199	203	
15	403	203	202	
16	402	201	203	
17	399	202	203	
18	400	202	203	
19	401	202	199	
20	400	201	199	
Average of 20	**402**	**201**	**201**	

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Lab ID : CP-2022-01-25-32 Date: 21-05-21

COMPRESSIVE STRENGTH:

Sl. No.	Size of solid block		Area	Failure Load	Compressive strength	Average Compressive strength
	Length	Breadth				
	mm	mm	(mm^2)	(KN)	N/mm^2	(N/mm^2)
1	400	200	80028	393.2	4.9	4.9
2	402	200	80641	403.3	5.0	
3	400	201	80176	410.4	5.1	
4	401	202	81019	402.1	5.0	
5	403	200	80505	398.6	5.0	
6	404	199	80579	394.0	4.9	
7	403	202	81355	393.1	4.8	
8	403	203	81840	400.5	4.9	

As per IS Requirements (Table 2, Clause 5.1, 5.2 and 9.4)

Compressive strength		
Grade	Minimum average	Minimum Individual units.
C (5.0)	5.00 N/mm^2	4.00 N/mm^2
C (4.0)	4.00 N/mm^2	3.20 N/mm^2

* The Results Obtained are Satisfactory as per Standard Requirements

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2022-01-25-32** **Date: 14/06/2021**

Project Name : Construction of School building at Singapura in Ward No.11

Agency : Sri. Kumar Raju (M/s Sri Vinayaka Builders) #10, Gokul Nilaya, Dhanalakshmi Layout, Thindlu Main Road, Opp Indian Oil Petrol Bunk, Vidyaranyapura, Bangalore-560 097.

Customer's Reference : EE(Project)/YnkZone/Wo/85/2020-21

Date of Receipt : 09-06-21

Customer ID : Ground Floor Lintel

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M25 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 14/06/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm^2)	(N/mm^2)
1	Ground Floor Lintel	M25	07/06/2021	14/06/2021	151.88 X 149.55 X 150.11	22714	8.864	529.6	23.3	22.7
2	Ground Floor Lintel	M25	07/06/2021	14/06/2021	150.98 X 150.28 X 151.51	22689	8.532	506.8	22.3	
3	Ground Floor Lintel	M25	07/06/2021	14/06/2021	151.54 X 150.46 X 150.71	22800	8.356	509.6	22.3	

* The results obtained are satisfactory as per standard requirements.

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2022-01-25-32** **Date: 05/07/2021**

Project Name : Construction of School building at Singapura in Ward No.11

Agency : Sri. Kumar Raju (M/s Sri Vinayaka Builders) #10, Gokul Nilaya, Dhanalakshmi Layout, Thindlu Main Road, Opp Indian Oil Petrol Bunk, Vidyaranyapura, Bangalore-560 097.

Customer's Reference : EE(Project)/YnkZone/Wo/85/2020-21

Date of Receipt : 09-06-21

Customer ID : Ground Floor Lintel

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M25 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 05/07/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Ground Floor Lintel	M25	07/06/2021	05/07/2021	151.02 X 149.56 X 151.08	22587	8.659	628.2	27.8	27.9
2	Ground Floor Lintel	M25	07/06/2021	05/07/2021	151.89 X 149.95 X 150.52	22775	8.238	614.1	27.0	
3	Ground Floor Lintel	M25	07/06/2021	05/07/2021	151.53 X 151.52 X 149.42	22960	8.892	663.1	28.9	

* The results obtained are satisfactory as per standard requirements.

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92.

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R RUDRAPRASAD
Authorized Signatory
Technical Manager

****End of Report****

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2022-01-25-32** **Date: 15/06/2021**

Project Name : Construction of School building at Singapura in Ward No.11

Agency : Sri. Kumar Raju (M/s Sri Vinayaka Builders) #10, Gokul Nilaya, Dhanalakshmi Layout, Thindlu Main Road, Opp Indian Oil Petrol Bunk, Vidyaranyapura, Bangalore-560 097.

Customer's Reference : EE(Project)/YnkZone/Wo/85/2020-21

Date of Receipt : 10-06-21

Customer ID : Ground Floor Staircase Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M25 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 15/06/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm^2)	(N/mm^2)
1	Ground Floor Staircase Concrete	M25	08/06/2021	15/06/2021	151.94 X 151.03 X 150.32	22947	8.704	536.4	23.4	22.5
2	Ground Floor Staircase Concrete	M25	08/06/2021	15/06/2021	151.86 X 149.48 X 150.33	22699	9.005	501.2	22.1	
3	Ground Floor Staircase Concrete	M25	08/06/2021	15/06/2021	150.77 X 149.50 X 149.96	22540	8.358	498.5	22.1	

* The results obtained are satisfactory as per standard requirements.

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

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Technical Manager

****End of Report****

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2022-01-25-32** **Date: 06/07/2021**

Project Name : Construction of School building at Singapura in Ward No.11

Agency : Sri. Kumar Raju (M/s Sri Vinayaka Builders) #10, Gokul Nilaya, Dhanalakshmi Layout, Thindlu Main Road, Opp Indian Oil Petrol Bunk, Vidyaranyapura, Bangalore-560 097.

Customer's Reference : EE(Project)/YnkZone/Wo/85/2020-21

Date of Receipt : 10-06-21

Customer ID : Ground Floor Staircase Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M25 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 06/07/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm^2)	(N/mm^2)
1	Ground Floor Staircase Concrete	M25	08/06/2021	06/07/2021	151.02 X 150.19 X 149.42	22681	8.518	614.5	27.1	27.4
2	Ground Floor Staircase Concrete	M25	08/06/2021	06/07/2021	151.30 X 150.44 X 149.70	22761	8.457	605.7	26.6	
3	Ground Floor Staircase Concrete	M25	08/06/2021	06/07/2021	149.80 X 150.81 X 150.20	22592	9.035	646.4	28.6	

* The results obtained are satisfactory as per standard requirements.

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****End of Report****

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2022-01-25-32** **Date: 14/06/2021**

Project Name : Construction of School building at Singapura in Ward No.11

Agency : Sri. Kumar Raju (M/s Sri Vinayaka Builders) #10, Gokul Nilaya, Dhanalakshmi Layout, Thindlu Main Road, Opp Indian Oil Petrol Bunk, Vidyaranyapura, Bangalore-560 097.

Customer's Reference : EE(Project)/YnkZone/Wo/85/2020-21

Date of Receipt : 09-06-21

Customer ID : Ground Floor Chejja

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 14/06/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm^2)	(N/mm^2)
1	Ground Floor Chejja	M20	07/06/2021	14/06/2021	150.30 X 151.23 X 149.41	22731	8.117	393.2	17.3	17.5
2	Ground Floor Chejja	M20	07/06/2021	14/06/2021	150.89 X 149.49 X 149.80	22557	8.218	407.9	18.1	
3	Ground Floor Chejja	M20	07/06/2021	14/06/2021	150.46 X 149.78 X 149.54	22536	8.745	384.1	17.0	

* The results obtained are satisfactory as per standard requirements.

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